GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 18, 2004, 07:33:01 ; Search time 42 Seconds
(without alignments)
1189.961 Million cell updates/sec

Title: US-09-508-745-4
Perfect score: 1009
Sequence: 1 MATPASTPDTRALVADFVGY.....LTGAVALGALVTVGAFFASK 193

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1049977 seqs, 258955339 residues

Total number of hits satisfying chosen parameters: 1049977

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_AA:*
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18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1006	99.7	193	9	US-09-925-674A-9	Sequence 9, Appli
2	1000	99.1	193	9	US-09-925-674A-7	Sequence 7, Appli
3	759	75.2	365	10	US-09-809-391-696	Sequence 696, App
4	759	75.2	365	10	US-09-882-171-696	Sequence 696, App
5	457.5	45.3	179	15	US-10-402-017-6	Sequence 6, Appli
6	448.5	44.4	199	15	US-10-402-017-8	Sequence 8, Appli
7	441.5	43.8	219	15	US-10-402-017-10	Sequence 10, Appl
8	436.5	43.3	219	15	US-10-402-017-12	Sequence 12, Appl
9	429.5	42.6	233	15	US-10-402-017-4	Sequence 4, Appli
10	427.5	42.4	233	9	US-09-734-846-2	Sequence 2, Appli
11	427.5	42.4	233	9	US-09-952-278-6	Sequence 6, Appli
12	427.5	42.4	233	14	US-10-101-482-14	Sequence 14, Appl
13	427.5	42.4	233	14	US-10-072-830-4	Sequence 4, Appli
14	427.5	42.4	233	14	US-10-169-223-10	Sequence 10, Appl
15	427.5	42.4	233	14	US-10-302-262-2	Sequence 2, Appli
16	427.5	42.4	233	15	US-10-116-275-171	Sequence 171, App
17	414.5	41.1	152	14	US-10-158-769-2	Sequence 2, Appli
18	411.5	40.8	239	12	US-10-003-632C-10	Sequence 10, Appl
19	411.5	40.8	239	12	US-10-003-632C-13	Sequence 13, Appl
20	411.5	40.8	239	14	US-10-277-693A-10	Sequence 10, Appl
21	409.5	40.6	239	8	US-08-726-211-5	Sequence 5, Appli
22	409.5	40.6	239	12	US-10-003-632C-1	Sequence 1, Appli
23	409.5	40.6	239	12	US-10-003-632C-3	Sequence 3, Appli
24	409.5	40.6	239	14	US-10-101-482-12	Sequence 12, Appl
25	409.5	40.6	239	14	US-10-072-830-2	Sequence 2, Appli
26	409.5	40.6	239	14	US-10-141-618-12	Sequence 12, Appl
27	409.5	40.6	239	14	US-10-053-645A-21	Sequence 21, Appl
28	409.5	40.6	239	15	US-10-387-961A-5	Sequence 5, Appli
29	405	40.1	236	14	US-10-277-693A-11	Sequence 11, Appl
30	400	39.6	212	14	US-10-169-223-14	Sequence 14, Appl
31	378	37.5	190	9	US-09-952-278-2	Sequence 2, Appli
32	374.5	37.1	235	14	US-10-208-155-2	Sequence 2, Appli
33	373	37.0	155	14	US-10-158-769-1	Sequence 1, Appli
34	372.5	36.9	185	9	US-09-864-761-40954	Sequence 40954, A
35	345	34.2	205	8	US-08-726-211-7	Sequence 7, Appli
36	345	34.2	205	9	US-09-952-278-4	Sequence 4, Appli
37	345	34.2	205	12	US-10-003-632C-2	Sequence 2, Appli
38	345	34.2	205	12	US-10-003-632C-11	Sequence 11, Appl
39	345	34.2	205	14	US-10-053-645A-23	Sequence 23, Appl
40	345	34.2	205	15	US-10-387-961A-7	Sequence 7, Appli
41	302	29.9	99	16	US-10-294-445-27	Sequence 27, Appl
42	299	29.6	99	16	US-10-294-445-26	Sequence 26, Appl
43	241	23.9	49	9	US-09-864-761-34213	Sequence 34213, A
44	204	20.2	63	9	US-09-952-278-3	Sequence 3, Appli
45	183	18.1	170	9	US-09-952-278-8	Sequence 8, Appli

ALIGNMENTS

RESULT 1
US-09-925-674A-9
; Sequence 9, Application US/09925674A
; Patent No. US20020119943A1
; GENERAL INFORMATION:
; APPLICANT: AMRAD Operations Pty Ltd
; TITLE OF INVENTION: A NOVEL MAMMALIAN GENE, bcl-w, BELONGS TO THE bcl-2
; TITLE OF INVENTION: FAMILY OF APOPTOSIS-CONTROLLING GENES
; FILE REFERENCE: 11686a
; CURRENT APPLICATION NUMBER: US/09/925,674A
; CURRENT FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 09/925,674
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: PN8965
; PRIOR FILING DATE: 1996-03-27
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 193
; TYPE: PRT
; ORGANISM: Mouse
US-09-925-674A-9

Query Match 99.7%; Score 1006; DB 9; Length 193;
Best Local Similarity 99.5%; Pred. No. 4.3e-101;
Matches 192; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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RESULT 2
US-09-925-674A-7
; Sequence 7, Application US/09925674A
; Patent No. US20020119943A1
; GENERAL INFORMATION:
; APPLICANT: AMRAD Operations Pty Ltd
; TITLE OF INVENTION: A NOVEL MAMMALIAN GENE, bcl-w, BELONGS TO THE bcl-2
; TITLE OF INVENTION: FAMILY OF APOPTOSIS-CONTROLLING GENES
; FILE REFERENCE: 11686a
; CURRENT APPLICATION NUMBER: US/09/925,674A
; CURRENT FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 09/925,674
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: PN8965
; PRIOR FILING DATE: 1996-03-27
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 193
; TYPE: PRT
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US-09-925-674A-7

Query Match 99.1%; Score 1000; DB 9; Length 193;
Best Local Similarity 99.0%; Pred. No. 1.9e-100;
Matches 191; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

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Qy         61 FSDLAAQLHVTPGSAQQRFTQVSDELFQGGPNWGRLVAFFVFGAALCAESVNKEMEPLVG 120
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RESULT 3
US-09-809-391-696
; Sequence 696, Application US/09809391
; Publication No. US20030049618A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 186 Human Secreted proteins
; FILE REFERENCE: PZ002P2
; CURRENT APPLICATION NUMBER: US/09/809,391
; CURRENT FILING DATE: 2001-03-16
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 761
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 696
; LENGTH: 365
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-809-391-696

Query Match 75.2%; Score 759; DB 10; Length 365;
Best Local Similarity 98.6%; Pred. No. 7.6e-74;
Matches 142; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

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RESULT 4
US-09-882-171-696
; Sequence 696, Application US/09882171
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; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 186 Human Secreted proteins
; FILE REFERENCE: PZ002P2
; CURRENT APPLICATION NUMBER: US/09/882,171
; CURRENT FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: 09/809,391
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 09/149,476
; PRIOR FILING DATE: 1998-09-08
; PRIOR APPLICATION NUMBER: PCT/US98/04493
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; PRIOR APPLICATION NUMBER: 60/057,650
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: 60/056,884
; PRIOR FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: 60/057,669
; PRIOR FILING DATE: 1997-09-05

Query Match 75.2%; Score 759; DB 10; Length 365;
Best Local Similarity 98.6%; Pred. No. 7.6e-74;
Matches 142; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

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Qy         61 FSDLAAQLHVTPGSAQQRFTQVSDELFQGGPNWGRLVAFFVFGAALCAESVNKEMEPLVG 120
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Qy        121 QVQDWMVAYLETRLADWIHSSGGW 144
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Db        121 QVQEWMVAYLETRLADWIHSSGGW 144


RESULT 5
US-10-402-017-6
; Sequence 6, Application US/10402017
; Publication No. US20030219871A1
; GENERAL INFORMATION:
;  APPLICANT: Barbara ENENKEL, Heiko MEENTS and Martin FUSSENEGGER
;  TITLE OF INVENTION: Host cells having improved survival properties and methods to gen
;  TITLE OF INVENTION:  such cells
;  FILE REFERENCE: Case 1/1314
;  CURRENT APPLICATION NUMBER: US/10/402,017
;  CURRENT FILING DATE:  2003-03-28
;  PRIOR APPLICATION NUMBER: US 60/369,307
;  PRIOR APPLICATION NUMBER: April 2, 2002
;  NUMBER OF SEQ ID NOS: 25
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;   LENGTH: 179
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Deletion mutant of SEQ ID NO:4 (del26-83)
US-10-402-017-6

  Query Match             45.3%;  Score 457.5;  DB 15;  Length 179;
  Best Local Similarity   52.0%;  Pred. No. 1.8e-41;
  Matches   91;  Conservative   21;  Mismatches   56;  Indels    7;  Gaps    2;

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Qy         71 TPGSAQQRFTQVSDELFQGGPNWGRLVAFFVFGAALCAESVNKEMEPLVGQVQDWMVAYL 130
              |||:| | | || :|||: | ||||:|||| || ||| |||:|||: || ::  ||  ||
Db         61 TPGTAYQSFEQVVNELFRDGVNWGRIVAFFSFGGALCVESVDKEMQVLVSRIASWMATYL 120

Qy        131 ETRLADWIHSSGGWAEFTALYGDGALEEARRLRE--GNWASVRTVLTGAVALGAL 183
                 |  ||  :|||  |  |||: |  |:|: :|    |      : | | ||:|
Db        121 NDHLEPWIQDNGGWDTFVELYGNNAAAESRKGQERFNRWFLTGMTVAGVVLLGSL 175


RESULT 6
US-10-402-017-8
; Sequence 8, Application US/10402017
; Publication No. US20030219871A1
; GENERAL INFORMATION:
;  APPLICANT: Barbara ENENKEL, Heiko MEENTS and Martin FUSSENEGGER
;  TITLE OF INVENTION: Host cells having improved survival properties and methods to gen
;  TITLE OF INVENTION:  such cells
;  FILE REFERENCE: Case 1/1314
;  CURRENT APPLICATION NUMBER: US/10/402,017
;  CURRENT FILING DATE:  2003-03-28
;  PRIOR APPLICATION NUMBER: US 60/369,307
;  PRIOR APPLICATION NUMBER: April 2, 2002
;  NUMBER OF SEQ ID NOS: 25
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
;   LENGTH: 199
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Deletion mutant of SEQ ID NO:4 (del46-83)
US-10-402-017-8

  Query Match             44.4%;  Score 448.5;  DB 15;  Length 199;
  Best Local Similarity   47.9%;  Pred. No. 2e-40;
  Matches   91;  Conservative   21;  Mismatches   61;  Indels   17;  Gaps    2;

Qy         11 RALVADFVGYKLRQKGYVC---------------GAGPGEGPAADPLHQAMRAAGDEFET 55
              | || ||: ||| ||||                |      ||  : ||:| ||||||
Db          6 RELVVDFLSYKLSQKGYSWSQFSDVEENRTEAPEGTESERAAAAAAVKQALREAGDEFEL 65

Qy         56 RFRRTFSDLAAQLHVTPGSAQQRFTQVSDELFQGGPNWGRLVAFFVFGAALCAESVNKEM 115
              |:|| |||| :|||:|||:| | | || :|||: | ||||:|||| || ||| |||:|||
Db         66 RYRRAFSDLTSQLHITPGTAYQSFEQVVNELFRDGVNWGRIVAFFSFGGALCVESVDKEM 125

Qy        116 EPLVGQVQDWMVAYLETRLADWIHSSGGWAEFTALYGDGALEEARRLRE--GNWASVRTV 173
              : || ::  ||  ||   |  ||  :|||  |  |||: |  |:|: :|    |
Db        126 QVLVSRIASWMATYLNDHLEPWIQDNGGWDTFVELYGNNAAAESRKGQERFNRWFLTGMT 185

Qy        174 LTGAVALGAL 183
              : | | ||:|
Db        186 VAGVVLLGSL 195


RESULT 7
US-10-402-017-10
; Sequence 10, Application US/10402017
; Publication No. US20030219871A1
; GENERAL INFORMATION:
;  APPLICANT: Barbara ENENKEL, Heiko MEENTS and Martin FUSSENEGGER
;  TITLE OF INVENTION: Host cells having improved survival properties and methods to gene
;  TITLE OF INVENTION:  such cells
;  FILE REFERENCE: Case 1/1314
;  CURRENT APPLICATION NUMBER: US/10/402,017
;  CURRENT FILING DATE:  2003-03-28
;  PRIOR APPLICATION NUMBER: US 60/369,307
;  PRIOR APPLICATION NUMBER: April 2, 2002
;  NUMBER OF SEQ ID NOS: 25
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
;   LENGTH: 219
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Deletion mutant of SEQ ID NO:4 (del66-83)
US-10-402-017-10

  Query Match             43.8%;  Score 441.5;  DB 15;  Length 219;
  Best Local Similarity   43.3%;  Pred. No. 1.3e-39;
  Matches   91;  Conservative   21;  Mismatches   61;  Indels   37;  Gaps    2;

Qy         11 RALVADFVGYKLRQKGYV---------------------------------CGAGPGE 35
              | || ||: ||| ||||                                 |
Db          6 RELVVDFLSYKLSQKGYSWSQFSDVEENRTEAPEGTESERETPSAINGNPSWHLADSPAV 65

Qy         36 GPAADPLHQAMRAAGDEFETRFRRTFSDLAAQLHVTPGSAQQRFTQVSDELFQGGPNWGR 95
                ||  : ||:| |||||| |:|| |||| :|||:|||:| | | || :|||: | ||||
Db         66 AAAAAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTAYQSFEQVVNELFRDGVNWGR 125

Qy         96 LVAFFVFGAALCAESVNKEMEPLVGQVQDWMVAYLETRLADWIHSSGGWAEFTALYGDGA 155
              :|||| || ||| |||:|||: || ::  ||  ||   |  ||  :|||  |  |||: |
Db        126 IVAFFSFGGALCVESVDKEMQVLVSRIASWMATYLNDHLEPWIQDNGGWDTFVELYGNNA 185

Qy        156 LEEARRLRE--GNWASVRTVLTGAVALGAL 183
              |:|: :|    |      : | | ||:|
Db        186 AAESRKGQERFNRWFLTGMTVAGVVLLGSL 215


RESULT 8
US-10-402-017-12
; Sequence 12, Application US/10402017
; Publication No. US20030219871A1
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```
; GENERAL INFORMATION:
;  APPLICANT: Barbara ENENKEL, Heiko MEENTS and Martin FUSSENEGGER
;  TITLE OF INVENTION: Host cells having improved survival properties and methods to gen
;  TITLE OF INVENTION:  such cells
;  FILE REFERENCE: Case 1/1314
;  CURRENT APPLICATION NUMBER: US/10/402,017
;  CURRENT FILING DATE:  2003-03-28
;  PRIOR APPLICATION NUMBER: US 60/369,307
;  PRIOR APPLICATION NUMBER: April 2, 2002
;  NUMBER OF SEQ ID NOS: 25
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
;   LENGTH: 219
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Deletion mutant of SEQ ID NO:4 (del26-83)
US-10-402-017-12

  Query Match             43.3%;  Score 436.5;  DB 15;  Length 219;
  Best Local Similarity   44.1%;  Pred. No. 4.7e-39;
  Matches   93;  Conservative   22;  Mismatches   57;  Indels   39;  Gaps    4;

Qy         11 RALVADFVGYKLRQKGY----------------------------VCGAGPGEGPAAD-- 40
              | || ||: ||| ||||                            | ||  |   : |
Db          6 RELVVDFLSYKLSQKGYSWSQFSDVEENRTEAPEGTESERAAAAAVNGA-TGHSSSLDAR 64

Qy         41 ------PLHQAMRAAGDEFETRFRRTFSDLAAQLHVTPGSAQQRFTQVSDELFQGGPNWG 94
                    : ||:| |||||| |:|| |||| :|||:|||:| | | || :|||: | |||
Db         65 EVIPMAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTAYQSFEQVVNELFRDGVNWG 124

Qy         95 RLVAFFVFGAALCAESVNKEMEPLVGQVQDWMVAYLETRLADWIHSSGGWAEFTALYGDG 154
              |:|||| || ||| |||:|||: || ::  ||  ||   |  ||  :|||  |  |||:
Db        125 RIVAFFSFGGALCVESVDKEMQVLVSRIASWMATYLNDHLEPWIQDNGGWDTFVELYGNN 184

Qy        155 ALEEARRLRE--GNWASVRTVLTGAVALGAL 183
              |  |:|: :|    |       : | | ||:|
Db        185 AAAESRKGQERFNRWFLTGMTVAGVVLLGSL 215


RESULT 9
US-10-402-017-4
; Sequence 4, Application US/10402017
; Publication No. US20030219871A1
; GENERAL INFORMATION:
;  APPLICANT: Barbara ENENKEL, Heiko MEENTS and Martin FUSSENEGGER
;  TITLE OF INVENTION: Host cells having improved survival properties and methods to gen
;  TITLE OF INVENTION:  such cells
;  FILE REFERENCE: Case 1/1314
;  CURRENT APPLICATION NUMBER: US/10/402,017
;  CURRENT FILING DATE:  2003-03-28
;  PRIOR APPLICATION NUMBER: US 60/369,307
;  PRIOR APPLICATION NUMBER: April 2, 2002
;  NUMBER OF SEQ ID NOS: 25
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
;   LENGTH: 233
;   TYPE: PRT
;   ORGANISM: Cricetulus griseus
US-10-402-017-4

  Query Match             42.6%;  Score 429.5;  DB 15;  Length 233;
  Best Local Similarity   41.3%;  Pred. No. 2.9e-38;
  Matches   93;  Conservative   22;  Mismatches   57;  Indels   53;  Gaps    4;

Qy         11 RALVADFVGYKLRQKGY-------------------------------------------V 28
              | || ||: ||| ||||                                           |
Db          6 RELVVDFLSYKLSQKGYSWSQFSDVEENRTEAPEGTESERETPSAINGNPSWHLADSPAV 65

Qy         29 CGAGPGEGPAAD--------PLHQAMRAAGDEFETRFRRTFSDLAAQLHVTPGSAQQRFT 80
                ||  |   : |         : ||:| |||||| |:|| |||| :|||:|||:| | |
Db         66 NGA-TGHSSSLDAREVIPMAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTAYQSFE 124

Qy         81 QVSDELFQGGPNWGRLVAFFVFGAALCAESVNKEMEPLVGQVQDWMVAYLETRLADWIHS 140
              || :|||: | ||||:|||| || ||| |||:|||: || ::  ||  ||   |  ||
Db        125 QVVNELFRDGVNWGRIVAFFSFGGALCVESVDKEMQVLVSRIASWMATYLNDHLEPWIQD 184

Qy        141 SGGWAEFTALYGDGALEEARRLRE--GNWASVRTVLTGAVALGAL 183
              :|||  |  |||: |  |:|: :|    |       : | | ||:|
Db        185 NGGWDTFVELYGNNAAAESRKGQERFNRWFLTGMTVAGVVLLGSL 229


RESULT 10
US-09-734-846-2
; Sequence 2, Application US/09734846
; Patent No. US20010007025A1
; GENERAL INFORMATION:
;  APPLICANT:  Bennett, C. Frank
;  APPLICANT:  Dean, Nicholas M.
;  APPLICANT:  Monia, Brett P.
;  APPLICANT:  Nickoloff, Brian J.
;  APPLICANT:  Zhang, QingQing
;  TITLE OF INVENTION:  Antisense Modulation of bcl-x Expression
;  FILE REFERENCE:  ISPH-0528
;  CURRENT APPLICATION NUMBER: US/09/734,846
;  CURRENT FILING DATE:  2000-12-12
;  PRIOR APPLICATION NUMBER:      09/277,020
;  PRIOR FILING DATE:      1998-03-26
;  PRIOR APPLICATION NUMBER:      09/167,921
;  PRIOR FILING DATE:      1998-10-07
;  PRIOR APPLICATION NUMBER:  09/323,743
;  PRIOR FILING DATE:  1999-06-02
;  NUMBER OF SEQ ID NOS:  74
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 2
;   LENGTH: 233
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-734-846-2

  Query Match             42.4%;  Score 427.5;  DB 9;  Length 233;
  Best Local Similarity   40.6%;  Pred. No. 4.8e-38;
  Matches   91;  Conservative   23;  Mismatches   59;  Indels   51;  Gaps    4;

Qy         11 RALVADFVGYKLRQKGY--------------------------VCGAGP----GEGPAA 39
              | || ||: ||| ||||                                      : ||
Db          6 RELVVDFLSYKLSQKGYSWSQFSDVEENRTEAPEGTESEMETPSAINGNPSWHLADSPAV 65

Qy         40 D-----------------PLHQAMRAAGDEFETRFRRTFSDLAAQLHVTPGSAQQRFTQ 81
              :                    : ||:| |||||| |:|| |||| :|||:|||:| | | |
Db         66 NGATAHSSSLDAREVIPMAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTAYQSFEQ 125

Qy         82 VSDELFQGGPNWGRLVAFFVFGAALCAESVNKEMEPLVGQVQDWMVAYLETRLADWIHSS 141
              | :|||: | ||||:|||| || ||| |||:|||: || ::  ||  ||   |  ||  :
Db        126 VVNELFRDGVNWGRIVAFFSFGGALCVESVDKEMQVLVSRIAAWMATYLNDHLEPWIQEN 185

Qy        142 GGWAEFTALYGDGALEEARRLRE--GNWASVRTVLTGAVALGAL 183
              |||  |  |||: |  |:|: :|    |       : | | ||:|
Db        186 GGWDTFVELYGNNAAAESRKGQERFNRWFLTGMTVAGVVLLGSL 229


RESULT 11
US-09-952-278-6
; Sequence 6, Application US/09952278
; Patent No. US20020137182A1
;   GENERAL INFORMATION:
;        APPLICANT: Thompson, Craig B.
;                   Boise, Lawrence H.
;        TITLE OF INVENTION: Vertebrate Apoptosis Gene:
;                            Compositions and Methods
;        NUMBER OF SEQUENCES: 8
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Arnold, White & Durkee
;             STREET: 321 No. US20020137182A1th Clark Street, Suite 800
;             CITY: Chicago
;             STATE: IL
```

```
;             COUNTRY: USA
;             ZIP: 60610
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/952,278
;             FILING DATE: 12-Sep-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/08/081,448
;             FILING DATE: <Unknown>
;        ATTORNEY/AGENT INFORMATION:
;             NAME: No. US20020137182A1thrup, Thomas E.
;             REGISTRATION NUMBER: 33,268
;             REFERENCE/DOCKET NUMBER: ARCD090
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 312-744-0090
;             TELEFAX: 312-755-4489
;   INFORMATION FOR SEQ ID NO: 6:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 233 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;        MOLECULE TYPE: protein
;        SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-952-278-6

  Query Match             42.4%;  Score 427.5;  DB 9;  Length 233;
  Best Local Similarity   40.6%;  Pred. No. 4.8e-38;
  Matches   91;  Conservative   23;  Mismatches   59;  Indels   51;  Gaps    4;

Qy          11 RALVADFVGYKLRQKGY--------------------------VCGAGP----GEGPAA 39
               | || ||: ||| ||||                          |     : ||
Db           6 RELVVDFLSYKLSQKGYSWSQFSDVEENRTEAPEGTESEMETPSAINGNPSWHLADSPAV 65

Qy          40 D------------------PLHQAMRAAGDEFETRFRRTFSDLAAQLHVTPGSAQQRFTQ 81
               :                  : ||:| |||||| |:|| |||| :|||:|||:| | | |
Db          66 NGATAHSSSLDAREVIPMAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTAYQSFEQ 125

Qy          82 VSDELFQGGPNWGRLVAFFVFGAALCAESVNKEMEPLVGQVQDWMVAYLETRLADWIHSS 141
               | :|||: | ||||:|||| || ||| |||:|||: || ::  ||  ||   |  ||  :
Db         126 VVNELFRDGVNWGRIVAFFSFGGALCVESVDKEMQVLVSRIAAWMATYLNDHLEPWIQEN 185

Qy         142 GGWAEFTALYGDGALEEARRLRE--GNWASVRTVLTGAVALGAL 183
               |||  |  |||: |  |:|: :|    |       : | | ||:|
Db         186 GGWDTFVELYGNNAAAESRKGQERFNRWFLTGMTVAGVVLLGSL 229


RESULT 12
US-10-101-482-14
; Sequence 14, Application US/10101482
; Publication No. US20030008837A1
;   GENERAL INFORMATION:
;        APPLICANT: KIEFER, MICHAEL C.
;                   BARR, PHILIP J.
;        TITLE OF INVENTION: NOVEL APOPTOSIS-MODULATING PROTEINS, DNA
;                            ENCODING THE PROTEINS AND METHODS OF USE THEREOF
;        NUMBER OF SEQUENCES: 22
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: MORRISON & FOERSTER
;             STREET: 755 Page Mill Road
;             CITY: Palo Alto
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94304-1018
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/101,482
;             FILING DATE: 18-Mar-2002
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/08/320,157
;             FILING DATE: 07-OCT-1994
;        ATTORNEY/AGENT INFORMATION:
;             NAME: LEHNHARDT, SUSAN K.
;             REGISTRATION NUMBER: 33,943
;             REFERENCE/DOCKET NUMBER: 23647-20007.20
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 813-5600
;             TELEFAX: (415) 494-0792
;             TELEX: 706141
;   INFORMATION FOR SEQ ID NO: 14:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 233 amino acids
;             TYPE: amino acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-10-101-482-14

  Query Match             42.4%;  Score 427.5;  DB 14;  Length 233;
  Best Local Similarity   41.3%;  Pred. No. 4.8e-38;
  Matches   93;  Conservative   22;  Mismatches   57;  Indels   53;  Gaps    4;

Qy          11 RALVADFVGYKLRQKGY----------------------------------------V 28
               | || ||: ||| ||||                                        |
Db           6 RELVVDFLSYKLSQKGYSWSQFSDVEENRTEAPEGTESEMETPSAINGNPSWHLADSPAV 65

Qy          29 CGAGPGEGPAAD--------PLHQAMRAAGDEFETRFRRTFSDLAAQLHVTPGSAQQRFT 80
               ||  |   : |         : ||:| |||||| |:|| |||| :|||:|||:| | |
Db          66 NGA-TGHSSSLDAREVIPMAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTAYQSFE 124

Qy          81 QVSDELFQGGPNWGRLVAFFVFGAALCAESVNKEMEPLVGQVQDWMVAYLETRLADWIHS 140
               || :|||: | ||||:|||| || ||| |||:|||: || ::  ||  ||   |  ||
Db         125 QVVNELFRDGVNWGRIVAFFSFGGALCVESVDKEMQVLVSRIAAWMATYLNDHLEPWIQE 184

Qy         141 SGGWAEFTALYGDGALEEARRLRE--GNWASVRTVLTGAVALGAL 183
               :|||  |  |||: |  |:|: :|    |       : | | ||:|
Db         185 NGGWDTFVELYGNNAAAESRKGQERFNRWFLTGMTVAGVVLLGSL 229


RESULT 13
US-10-072-830-4
; Sequence 4, Application US/10072830
; Publication No. US20030103945A1
; GENERAL INFORMATION:
;  APPLICANT: CHEN, DONG FENG
;  APPLICANT:  HUANG, XIZHONG
;  APPLICANT:  CHEN, GUANG
;  APPLICANT:  MANJI, HUSSEINI K.
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR STIMULATING AXON
;  TITLE OF INVENTION:  REGENERATION AND PREVENTING NEURONAL CELL DEGENERATION
;  FILE REFERENCE: ERM-105.01
;  CURRENT APPLICATION NUMBER: US/10/072,830
;  CURRENT FILING DATE:  2002-02-08
;  PRIOR APPLICATION NUMBER: 60/267,832
;  PRIOR FILING DATE: 2001-02-09
;  PRIOR APPLICATION NUMBER: 60/272,617
;  PRIOR FILING DATE: 2001-03-01
;  PRIOR APPLICATION NUMBER: 60/289,990
;  PRIOR FILING DATE: 2001-05-10
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
;   LENGTH: 233
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-072-830-4
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  Query Match           42.4%;  Score 427.5;  DB 14;  Length 233;
  Best Local Similarity  40.6%;  Pred. No. 4.8e-38;
  Matches   91;  Conservative   23;  Mismatches   59;  Indels   51;  Gaps    4;

Qy         11 RALVADFVGYKLRQKGY----------------------------VCGAGP----GEGPAA 39
              | || ||: ||| ||||                            |     : ||
Db          6 RELVVDFLSYKLSQKGYSWSQFSDVEENRTEAPEGTESEMETPSAINGNPSWHLADSPAV 65

Qy         40 D------------------PLHQAMRAAGDEFETRFRRTFSDLAAQLHVTPGSAQQRFTQ 81
              :                  : ||:| |||||| |:|| |||| :|||:|||:| | | |
Db         66 NGATAHSSSLDAREVIPMAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTAYQSFEQ 125

Qy         82 VSDELFQGGPNWGRLVAFFVFGAALCAESVNKEMEPLVGQVQDWMVAYLETRLADWIHSS 141
              | :|||: | ||||:|||| || ||| |||:|||: || ::  ||  ||   |  ||  :
Db        126 VVNELFRDGVNWGRIVAFFSFGGALCVESVDKEMQVLVSRIAAWMATYLNDHLEPWIQEN 185

Qy        142 GGWAEFTALYGDGALEEARRLRE--GNWASVRTVLTGAVALGAL 183
              |||  |  |||: |  |:|: :|    |      : | | ||:|
Db        186 GGWDTFVELYGNNAAAESRKGQERFNRWFLTGMTVAGVVLLGSL 229


RESULT 14
US-10-169-223-10
; Sequence 10, Application US/10169223
; Publication No. US20030152946A1
; GENERAL INFORMATION:
;  APPLICANT: SHIMIZU, Shigeomi
;  APPLICANT:  TSUJIMOTO, Yoshihide
;  TITLE OF INVENTION: BH4-Fused Polypeptides
;  FILE REFERENCE: 1422-0537P
;  CURRENT APPLICATION NUMBER: US/10/169,223
;  CURRENT FILING DATE:  2002-11-05
;  PRIOR APPLICATION NUMBER: JP 11-371449
;  PRIOR FILING DATE: 1999-12-27
;  PRIOR APPLICATION NUMBER: PCT/JP00/09274
;  PRIOR FILING DATE: 2000-12-26
;  NUMBER OF SEQ ID NOS: 35
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
;   LENGTH: 233
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-169-223-10

  Query Match           42.4%;  Score 427.5;  DB 14;  Length 233;
  Best Local Similarity  40.6%;  Pred. No. 4.8e-38;
  Matches   91;  Conservative   23;  Mismatches   59;  Indels   51;  Gaps    4;

Qy         11 RALVADFVGYKLRQKGY----------------------------VCGAGP----GEGPAA 39
              | || ||: ||| ||||                            |     : ||
Db          6 RELVVDFLSYKLSQKGYSWSQFSDVEENRTEAPEGTESEMETPSAINGNPSWHLADSPAV 65

Qy         40 D------------------PLHQAMRAAGDEFETRFRRTFSDLAAQLHVTPGSAQQRFTQ 81
              :                  : ||:| |||||| |:|| |||| :|||:|||:| | | |
Db         66 NGATAHSSSLDAREVIPMAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTAYQSFEQ 125

Qy         82 VSDELFQGGPNWGRLVAFFVFGAALCAESVNKEMEPLVGQVQDWMVAYLETRLADWIHSS 141
              | :|||: | ||||:|||| || ||| |||:|||: || ::  ||  ||   |  ||  :
Db        126 VVNELFRDGVNWGRIVAFFSFGGALCVESVDKEMQVLVSRIAAWMATYLNDHLEPWIQEN 185

Qy        142 GGWAEFTALYGDGALEEARRLRE--GNWASVRTVLTGAVALGAL 183
              |||  |  |||: |  |:|: :|    |      : | | ||:|
Db        186 GGWDTFVELYGNNAAAESRKGQERFNRWFLTGMTVAGVVLLGSL 229


RESULT 15
US-10-302-262-2
; Sequence 2, Application US/10302262
; Publication No. US20030191300A1
; GENERAL INFORMATION:
;  APPLICANT: Bennett, C. Frank
;  APPLICANT:  Dean, Nicholas M.
;  APPLICANT:  Monia, Brett P.
;  APPLICANT:  Nickoloff, Brian J.
;  APPLICANT:  Zhang, QingQing
;  TITLE OF INVENTION: Antisense Modulation of bcl-x Expression
;  FILE REFERENCE: ISPH-0528
;  CURRENT APPLICATION NUMBER: US/10/302,262
;  CURRENT FILING DATE:  2002-11-21
;  PRIOR APPLICATION NUMBER: US/09/734,846
;  PRIOR FILING DATE: 2000-12-12
;  PRIOR APPLICATION NUMBER: 09/277,020
;  PRIOR FILING DATE: 1998-03-26
;  PRIOR APPLICATION NUMBER: 09/167,921
;  PRIOR FILING DATE: 1998-10-07
;  PRIOR APPLICATION NUMBER: 09/323,743
;  PRIOR FILING DATE: 1999-06-02
;  NUMBER OF SEQ ID NOS: 74
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
;   LENGTH: 233
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-302-262-2

  Query Match           42.4%;  Score 427.5;  DB 14;  Length 233;
  Best Local Similarity  40.6%;  Pred. No. 4.8e-38;
  Matches   91;  Conservative   23;  Mismatches   59;  Indels   51;  Gaps    4;

Qy         11 RALVADFVGYKLRQKGY----------------------------VCGAGP----GEGPAA 39
              | || ||: ||| ||||                            |     : ||
Db          6 RELVVDFLSYKLSQKGYSWSQFSDVEENRTEAPEGTESEMETPSAINGNPSWHLADSPAV 65

Qy         40 D------------------PLHQAMRAAGDEFETRFRRTFSDLAAQLHVTPGSAQQRFTQ 81
              :                  : ||:| |||||| |:|| |||| :|||:|||:| | | |
Db         66 NGATAHSSSLDAREVIPMAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTAYQSFEQ 125

Qy         82 VSDELFQGGPNWGRLVAFFVFGAALCAESVNKEMEPLVGQVQDWMVAYLETRLADWIHSS 141
              | :|||: | ||||:|||| || ||| |||:|||: || ::  ||  ||   |  ||  :
Db        126 VVNELFRDGVNWGRIVAFFSFGGALCVESVDKEMQVLVSRIAAWMATYLNDHLEPWIQEN 185

Qy        142 GGWAEFTALYGDGALEEARRLRE--GNWASVRTVLTGAVALGAL 183
              |||  |  |||: |  |:|: :|    |      : | | ||:|
Db        186 GGWDTFVELYGNNAAAESRKGQERFNRWFLTGMTVAGVVLLGSL 229


Search completed: March 18, 2004, 07:38:51
Job time : 44 secs
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